SDMS DocID 2199450

Scot Lubricants of PA Inc.
Timothy D. Fritz
P.O. Box 326
Allentown, Pa 18105

March 30, 2012

ORIGINAL

Kenneth I. Rose, III, Financial Analyst (3HS62)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

RE: Required Submission of Information
Metro Container Site, Trainer, Pennsylvania

Dear Mr. Rose:

This letter will serve as a response to your letter referenced above. The following information is answered in the same order as requested in Enclosure E.

1.a. Address: Scot Lubricants of PA Inc., 1801 E. Tremont Street, Allentown, PA 18105
b. Products produced: Motor Oils

2. Processes: Scot blended base oils and additive packages to produce motor oils.

3. Raw Materials: Base oils and additive packages similar to the sample MSDS sheets attached.

4. Wastes/by-products: There was no waste or by-products.

5. Not applicable, due to no waste or by-products.

6. Identify all chemicals/constituents..... Base oil and additive packages as similar to the sample MSDS sheets attached.

7. Identify the number of drums/containers sent..... Scot Lubricants of PA Inc. began production in June 1986. Metro was never our regular cooperage company and it would be highly unlikely that Scot would have returned any drums to other than our regular supplier. We may have purchased a truck load of drums when our regular supplier could not meet our needs. We do not have records that go back that many years ago.

8. Identify the procedures used to determine which drums..... Metro Container was not our regular supplier, we do not have this information available.

9. Identify the chemicals/constituents.... If drums were sent to Metro, they would have been empty as there were no by-products from our blending processes.

10. If you assert in response to Question #9... If any of our empty drums were sent to Metro, traces of base oils and additives may have been present. See attached sample MSDS sheets. We are not clear if Scot ever sent empty drums to Metro, although we may have purchased drums.

11. Identify, and provide a copy of, all contracts... Due to a move of the original offices of Scot of PA Inc. and the 2011 closing, of the facility, at 1801 Tremont Street, Allentown, records are no longer available from that long ago.

12. Provide the name..... Jane M. Fisher, Executive Assistant, Scot Lubricants LLC, P.O. Box 326, Allentown, PA 18105. 484-275-7990..... Consulted with Timothy D.Fritz, President, Scot Lubricants LLC, P.O. Box 326, Allentown, PA 18105. 484-275-7990

13. If any documents solicited.....
    a. Document retention policy: 7 years.
    b. Description of how destroyed: Records were trashed.
    c. Date of destruction: 7 years from date of origination.
    d. Description of Information.....General Correspondence, Bill of Lading, Orders
    e. The name, job title, and address....Since Scot Lubricants of PA Inc., was just a start-up company in 1986, it is unclear who handled document retention. There may have been part-time workers. Unfortunately, we do not have records going back that long ago.

14. If you have any information about other parties..... We do not have any other information to provide.

As of April 2011, Scot Lubricants of PA Inc. ceased production. The facility was closed, cleaned and returned to the landlord in June 2011.

Sincerely,

Timothy D. Fritz,
President

Attachments (3)

VALERO™

MATERIAL SAFETY DATA SHEET

Valero VP Lubricant Base Oils

VALERO MARKETING & SUPPLY COMPANY
and Affiliates
P.O. Box 696000
San Antonio, TX 78269-6000

Emergency Phone Numbers
24 Hour Emergency: 866-565-5220
Chemtrec Emergency: 800-424-9300

General Assistance
General Assistance: 210-345-4593

BRAND NAMES: Valero, Diamond Shamrock, Shamrock, Ultramar, Beacon, Total

Section 1. Chemical Product and Company Identification

Common / Trade name : **Valero VP Lubricant Base Oils**

Synonym : **Valero Blended Oils - VP 150 - 610 - CAS # 64741-88-4**
Valero Straight Cut Oils - VP 100, 165, 500, 700, 850M, 160 HS - CAS # 64741-88-4
Valero Straight Cut Oils - VP 150 BS - CAS # 64742-01-4
Valero Straight Cut Oils - VP 150 HPN, VP 220 HPN - CAS # 64742-54-7
Valero Industrial Oils - VP 230i - 600i - CAS # 64741-88-4

SYNONYMS/COMMON NAMES: This Material Safety Data Sheet applies to the listed products and synonym descriptions for Hazard Communication purposes only. Technical specifications vary greatly depending on the product and are not reflected in this document. Consult specification sheets for technical information. This product contains ingredients that are considered to be hazardous as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Material uses : This product is intended for use as a refinery feedstock, fuel, or for use in engineered processes. Use in other applications may result in higher exposures and require additional controls, such as local exhaust ventilation and personal protective equipment.

MSDS # : 702

CAS # : Mixture

Section 2. Composition, information on ingredients

Name	CAS number	Concentration (%)
Distillates (petroleum), severely hydrotreated heavy paraffinic	64742-54-7	0 - 100
Distillates (petroleum), severely solvent-refined heavy paraffinic	64741-88-4	0 - 100
Residual oils, (petroleum), severely solvent-refined	64742-01-4	0 - 100

Section 3. Hazards Identification

Hazards associated with handling of this material are normally minimal. Vapor inhalation under ambient conditions is normally not a problem. Skin hazards low when good hygiene practices followed. However, as a precaution, exposure to liquids, vapors, or mists should be minimized. Observe good personal hygiene.

Physical state : Liquid.

Emergency overview : Caution!

MAY CAUSE SKIN IRRITATION.
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: RESPIRATORY TRACT, SKIN, EYE, LENS OR CORNEA.

Do not ingest. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Risk of cancer depends on duration and level of exposure.

Continued on next page

Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eyes : Mildly irritating to the eyes.

Skin : Only mildly irritating to skin under normal use. Prolonged or repeated contact may cause moderate irritation, defatting (cracking), redness, itching, inflammation, dermatitis and possible secondary infection. High pressure skin injections are SERIOUS MEDICAL EMERGENCIES. Injury may not appear serious at first. Within a few hours, tissues will become swollen, discolored and extremely painful.

Inhalation : Slightly irritating to the respiratory system.

Ingestion : Practically non-toxic if swallowed.

Medical conditions aggravated by over-exposure : Repeated or prolonged contact with spray mist may produce eye and skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

Over-exposure signs/symptoms : Only mildly irritating to skin, eyes & respiratory system under normal use. Practically non-toxic if swallowed.

See toxicological information (section 11)

Section 4. First Aid Measures

Eye contact : Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if pain or redness continues.

Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention. Wash exposed area thoroughly with soap and water. Remove contaminated clothing promptly and launder before reuse. Contaminated leather goods should be discarded. If irritation persists or symptoms described in the MSDS develop, seek medical attention. High pressure skin injections are SERIOUS MEDICAL EMERGENCIES. Get immediate medical attention.

Inhalation : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion : If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel.

Notes to physician : Treat symptomatically. In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption. Consideration should be given to the use of an intratracheal tube, to prevent aspiration. Individuals with chronic pulmonary disease will be more seriously impaired, and recovery from inhalation exposure may be complicated. In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss.

Section 5. Fire Fighting Measures

Flammability of the product : Combustible.

Auto-ignition temperature :

Flash point : Open cup: 176.69°C (350°F) (Cleveland.).

Products of combustion : These products are carbon oxides (CO, CO_2), nitrogen and sulfur oxides (NO_X, SO_X), particulate matter, VOC's.

Fire hazards in the presence of various substances : COMBUSTIBLE.

Explosion hazards in the presence of various substances : Risk of explosion of the product in the presence of mechanical impact: Not available. Risk of explosion of the product in the presence of static discharge: Not available.

Continued on next page

Fire-fighting media and instructions : Combustible Liquid. Use dry chemical, foam or carbon dioxide to extinguish the fire. Consult foam manufacturer for appropriate media, application rates and water/foam ratio. Water can be used to cool fire- exposed containers, structures and to protect personnel. If a leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water to flush spills away from sources of ignition. Do not flush down public sewers.

Collect contaminated fire-fighting water separately. It must not enter the sewage system. Dike area of fire to prevent runoff. Decontaminate emergency personnel and equipment with soap and water.

Combustible liquid and vapor.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special remarks on fire hazards : No additional remark.

Special remarks on explosion hazards : No additional remark.

Section 6. Accidental Release Measures

Personal precautions : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Do not touch or walk through spilled material. Tanks, vessels or other confined spaces which have contained product should be freed of vapors before entering. The container should be checked to ensure a safe atmosphere before entry. Empty containers may contain toxic,flammable/combustible or explosive residues or vapors. Do not cut, grind, drill, weld or reuse empty containers that contained this product. Do not transfer this product to another container unless the container receiving the product is labeled with proper DOT shipping name, hazard class and other information that describes the product and its hazards.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. If facility or operation has an "oil or hazardous substance contingency plan", activate its procedures. Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew. Extremely flammable. Review Fire Fighting Measures section before proceeding with clean up. Keep all sources of ignition (flames, smoking, flares, etc.) and hot surfaces away from release. Contain spill in smallest possible area. Recover as much product as possible (e.g., by vacuuming). Stop leak if it can be done without risk. Use water spray to disperse vapors. Spilled material may be absorbed by an appropriate absorbent, and then handled in accordance with environmental regulations. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment or drainage systems and natural waterways. Contact fire authorities and appropriate federal, state and local agencies. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, contact the National Response Center at 800-424- 8802. For highway or railway spills, contact Chemtrec at 800-424-9300.

Methods for cleaning up : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Continued on next page

Section 7. Handling and Storage

Handling : Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use good personal hygiene practices. After handling this product, wash hands before eating, drinking, or using toilet facilities.

Storage : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure controls, personal protection

Engineering controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Flame Retardant Clothing is recommended.

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Personal protective equipment (Pictograms) : Consult your supervisor or S.O.P. for special handling direction.

Personal protection in case of a large spill : Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

Component	Exposure limits
Oil Mist, Mineral	**ACGIH TLV (United States, 9/2004). Notes: Adopted Values enclosed are those for which changes are proposed. Consult the Notice of Intended Changes for current proposal. See Notice of Intended changes.** STEL: 10 mg/m^3 15 minute(s). Form: All forms TWA: 5 mg/m^3 8 hour(s). Form: All forms **NIOSH REL (United States, 6/2001).** STEL: 10 mg/m^3 15 minute(s). Form: Mist TWA: 5 mg/m^3 10 hour(s). Form: Mist **OSHA PEL (United States, 6/1993).** TWA: 5 mg/m^3 8 hour(s). Form: All forms

Consult local authorities for acceptable exposure limits.

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Section 9. Physical and Chemical Properties

Physical state : Liquid.

Color : Clear. Straw.

Odor : Faint odor.

Boiling point : 343.39 to 704.49°C (650.1 to 1300.1°F)

Specific gravity :

Volatility : Negligilble

Evaporation rate :

Section 10. Stability and reactivity data

Stability and reactivity : The product is stable.

Incompatibility with various substances : Reactive with oxidizing agents, acids, alkalis.

Hazardous decomposition products : These products are carbon oxides (CO, CO_2), nitrogen and sulfur oxides (NO_X, SO_X), particulate matter, VOC's.

Hazardous polymerization : Will not occur.

Section 11. Toxicological Information

Toxicity data

Valero Base Oils are a complex mixture of paraffinic hydrocarbons derived from primary distillation and solvent refining. Composition varies greatly and includes C20 to C50 hydrocarbons with a boiling range of about 650-1300°F. Chronic toxicity of mineral oils is most probably a function of the concentration of polycyclic aromatic hydrocarbons (PAH) in the oil and the degree of contact with the oil. Certain PAHs have been shown to have carcinogenic potential and produce skin tumors. Mouse-skin painting studies with certain mineral oils have in some cases produced skin tumors. IARC has determined in reviewing cancer prevalence of exposed workers that the carcinogenic activity of refined oils is related to the severity of processing of the base oil. IARC has determined that solvent refined oils (class 3) generally do not induce skin tumors since the PAHs are removed. This product is refined through a solvent extraction process which removes the PAHs from the oil, thus reducing its carcinogenic potential. Product testing using IP 346 shows a DMSO PAH content of <3.0 weight percent. The classification as a carcinogen does not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 test.

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable ---Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): mild eye irritant. (Draize score: 0 or greater but 6 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): mild skin irritant. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as the Mobil Modified Ames Test and IP-346.

---SENSITIZATION (SUMMARY)---

Representative solvent refined mineral oils have not caused skin sensitization in guinea pigs.

Chronic effects on humans : **CARCINOGENIC EFFECTS**: Classified 2 (Suspected for humans.) by European Union [Distillates (petroleum), severely hydrotreated heavy paraffinic]. Classified 2 (Suspected for humans.) by European Union [Distillates (petroleum), severely solvent-refined heavy paraffinic]. Classified 2 (Suspected for humans.) by European Union [Residual oils, (petroleum), severely solvent-refined].
Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

Other toxic effects on humans : Not Available

Special remarks on toxicity to animals : No additional remark.

Special remarks on chronic effects on humans : No additional remark.

Continued on next page

Special remarks on other toxic effects on humans : No additional remark.

Specific effects

Carcinogenic effects : Risk of cancer depends on duration and level of exposure.

Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

Section 12. Ecological Information

Ecotoxicity data

Ingredient name	Species	Period	Result
Oil Mist, Mineral	Lepomis macrochirus (LC50)	96 hour(s)	>100 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	>100 mg/l

Products of degradation : Decomposition products may include the following materials: carbon oxides (CO, CO_2) and water.

Toxicity of the products of biodegradation : The products of degradation are less toxic than the product itself.

Section 13. Disposal Considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.		Not a DOT controlled material (United States).			Not available.
TDG Classification	Not regulated.		Not a TDG-controlled material.	Not available.		Not available.

Section 15. Regulatory Information

United States

U.S. Federal regulations : TSCA 8(b) inventory: Distillates (petroleum), severely hydrotreated heavy paraffinic; Distillates (petroleum), severely solvent-refined heavy paraffinic; Residual oils, (petroleum), severely solvent-refined; Oil Mist, Mineral

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Distillates (petroleum), severely hydrotreated heavy paraffinic; Distillates (petroleum), severely solvent-refined heavy paraffinic; Residual oils, (petroleum), severely solvent-refined; Oil Mist, Mineral
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Distillates (petroleum), severely hydrotreated heavy paraffinic: Immediate (acute) health hazard, Delayed (chronic) health hazard; Distillates (petroleum), severely solvent-refined heavy paraffinic: Immediate (acute) health hazard, Delayed (chronic) health hazard; Residual oils, (petroleum), severely solvent-refined: Immediate (acute) health hazard, Delayed (chronic) health hazard; Oil Mist, Mineral: Immediate (acute) health hazard, Delayed

Continued on next page

(chronic) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : Pennsylvania RTK Hazardous Substances: Oil Mist, Mineral: (generic environmental hazard)
Massachusetts Substances: Oil Mist, Mineral
New Jersey: Oil Mist, Mineral

California Prop. 65: No products were found.

Canada

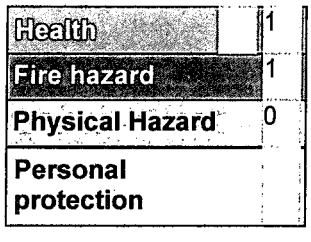
WHMIS (Canada) : Not controlled under WHMIS (Canada).

CEPA DSL: Distillates (petroleum), severely hydrotreated heavy paraffinic; Distillates (petroleum), severely solvent-refined heavy paraffinic; Residual oils, (petroleum), severely solvent-refined; Oil Mist, Mineral

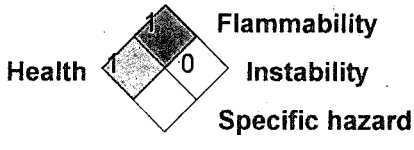
Section 16. Other Information

Label requirements : MAY CAUSE SKIN IRRITATION.
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: RESPIRATORY TRACT, SKIN, EYE, LENS OR CORNEA.

Hazardous Material Information System (U.S.A.) :



National Fire Protection Association (U.S.A.) :



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Disclaimer

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Definitions of Material Safety Data Sheet Terminology

GOVERNMENT AGENCIES AND PRIVATE ASSOCIATIONS

ACGIH - American Conference of Governmental Industrial Hygienists, (private association)
DOT - United States Department of Transportation
EPA - United States Environmental Protection Agency
IARC - International Agency for Research on Cancer, (private association)
NFPA - National Fire Protection Association, (private association)
MSHA - Mine Safety and Health Administration, U.S. Department of Labor
NIOSH - National Institute of Occupational Safety and Health, U.S. Department of Health and Human Services
NTP - National Toxicology Program, (private association)
OSHA - Occupational Safety and Health Administration, U.S. Department of Labor
WHMIS- Workplace Hazardous Material Information System
CSA- Canadian Standards Association

HAZARD AND EXPOSURE INFORMATION

Acute Hazard - An adverse health effect which occurs rapidly as a result of short term exposure.
CAS # - American Chemical Society's Chemical Abstract service registry number which identifies the product and/or ingredients.
Ceiling - The concentration that should not be exceeded during any part of the working exposure
Chronic Hazard - An adverse health effect which generally occurs as a result of long term exposure or short term exposure with delayed health effects and is of long duration
Fire Hazard - A material that poses a physical hazard by being flammable, combustible, phyrophoric or an oxidizer as defined by 29 CFR 1910.1200
Hazard Class - DOT hazard classification
Hazardous Ingredients - Names of ingredients which have been identified as health hazards
IDLH- Immediately Dangerous to Life and Health, the airborne concentration below which a person can escape without respiratory protection and exposure up to 30 minutes, and not suffer debilitating or irreversible health effects. Established by NIOSH.
mg/m3 - Milligrams of contaminant per cubic meter of air, a mass to volume ratio
N/A - Not available or no relevant information found
NA - Not applicable
PEL - OSHA permissible exposure limit; an action level of one half this value may be applicable
ppm - Part per million (one volume of vapor or gas in one million volumes of air)
Pressure Hazard - A material that poses a physical hazard due to the potential of a sudden release of pressure such as explosive or a compressed gas as defined by 29 CFR 1910.1200
Reactive Hazard - A material that poses a physical hazard due to the potential to become unstable reactive, water reactive or that is an organic peroxide as defined by 29 CFR 1910.1200.
STEL - The ACGIH Short-Term Exposure Limit, a 15-minute Time-Weighted Average exposure which should not be exceeded at any time during a workday, even if the 8-hour TWA is less than the TLV.
TLV - ACGIH Threshold Limit Value, represented herein as an 8-hour TWA concentration.
8-hour TWA - The time weighted average concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect.
LD50 – Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of the defined animal population.
LC50 - The concentration of a substance in air that, when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50% of a defined animal population.

Scot Lubricants of PA
Attachment 2
Questions: 3,6,10

Lubrizol

Material Safety Data Sheet
LUBRIZOL® 400

Prepared according to 29CFR 1910.1200.

1 Chemical Product and Company Identification

The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, Ohio 44092
Tel: (440) 943-4200

Product Trade Name	LUBRIZOL® 400
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Mixture.
Product Type	Small engine oil additive.
Preparation/Revision Date	04 April 2007
Transportation Emergency Phone No.	(CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887
MSDS No.	44615083-6001914-4025710-811103

2 Hazards Identification

Appearance Dark colored liquid.

Odor Mild

Principal Hazards

- **This material has no known health hazards.**

This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

See Section 11 for complete health hazard information.

3 Composition/Information on Ingredients

Hazardous Ingredients This material has no known hazards under applicable laws.

4	First Aid Measures

Eyes	Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
Skin	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation	Remove exposed person to fresh air if adverse effects are observed.
Oral	DO NOT INDUCE VOMITING. Get immediate medical attention.
Additional Information	Note to physician: Treat symptomatically.

5	Fire Fighting Measures

Flash Point	189 °C, 372.2 °F PMCC (Typical)
Extinguishing Media	CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.
Firefighting Procedures	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire & Explosion Hazards	Not determined.

6	Accidental Release Measures

Spill Procedures	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Do not dispose in landfill. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7	Handling and Storage

Pumping Temperature	Not determined.
Maximum Handling Temperature	70 °C, 158 °F
Handling Procedures	Avoid inhalation of vapors upon opening container. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Maximum Storage Temperature	45 °C, 113 °F
Storage Procedures	No special storage precautions required.
Loading Temperature	70 °C, 158 °F

8	Exposure Controls/Personal Protection

Exposure Limits	None established
Other Exposure Limits	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.
Engineering Controls	Use with adequate ventilation.
Gloves Procedures	Nitrile.
Eye Protection	Safety Glasses.
Respiratory Protection	Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.
Clothing Recommendation	Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

9	Physical and Chemical Properties

Flash Point	189 °C, 372.2 °F PMCC (Typical)
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.
Autoignition Point	Not determined.
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	0.91 (15.6 °C)
Bulk Density	Not determined.
Water Solubility	Insoluble.
Percent Solid	Not determined.
Percent Volatile	Unknown.
Volatile Organic Compound	Not determined.
Vapor Density	Not determined.
Evaporation Rate	Not determined.
Odor	Mild
Appearance	Dark colored liquid.
Viscosity	2230 Centistokes (40 °C) 76 Centistokes (100 °C)
Odor Threshold	Unknown.
Boiling Point	Not determined.
Pour Point Temperature	Not determined.

Melting / Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10	**Stability and Reactivity**

Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Oxidizing agents. Halogens and halogenated compounds.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen.
Conditions to Avoid	Not determined.

11	**Toxicological Information**

-- ACUTE EXPOSURE --

Eye Irritation	Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Respiratory Irritation	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity	The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mutagenicity	A component of this product was tested in an Ames mutagenicity assay with metabolic activation and was found to be positive in one bacteria strain but negative in four other strains. The relevance of this mutagenicity data with regard to causing adverse health effects in man is not known at this time.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-- ADDITIONAL INFORMATION --

Other	No other health hazards known.

12	Ecological Information

-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity	The acute LC50 is 1 - 10 mg/L based on component data.
Freshwater Invertebrates Toxicity	Chronic effects expected at 1 - 10 mg/L based on component data.
Algal Inhibition	Not determined.
Saltwater Fish Toxicity	Not determined.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	The acute EC50 is > 1000 ppm based on component data.
Miscellaneous Toxicity	Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation	At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.
Bioaccumulation	25% or greater of the components display no potential to bioconcentrate.
Soil Mobility	Not determined.

13	Disposal Consideration

Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

14	Transport Information

ICAO/IATA (US)	Not regulated.
ICAO/IATA (International)	Not regulated.
IMDG	Not regulated.
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
IMO Marine Vessel	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
U.S. Barge	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
USCG Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
U.S. DOT Non-Bulk	Not regulated.
DOT NAERG	Not applicable.
TDG Bulk	Not regulated.
TDG Non-Bulk	Not regulated.
Mexico	Not regulated.
Mexico Non-Bulk	Not regulated.
Bulk Quantity	85000 liters, 22457 gal.
Non-Bulk Quantity	207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information

-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None known.
EU	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classifications

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances	None known.
FDA Approval	Not applicable.

-- State Regulations --

Cal. Prop. 65	This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

-- Product Registrations --

U.S. Fuel Registration	Not applicable.
U.S. Dept of Agriculture	This product has not been filed with the USDA to support H2 approvals.
NSF Nonfood Compounds Registration	This product has not been filed with the NSF to support H1 or H2 approvals.
Finnish Registration Number	Not Registered
Swedish Registration Number	Not Registered
Norwegian Registration Number	22891
Danish Registration Number	Not Registered
Swiss Registration Number	611484
Italian Registration Number	Not Registered
Korean Registration	This product is registered in Korea with the Ministry of the Environment.

Scot Lubricants of PA
Attachment 2

Number	
New Zealand Registration Number	33569

-- Other / International --

TDG Regulated Limit.	None known.
U.S. Tariff Heading Number	3811.21.00.00
Schedule B Number	Not determined.

16	Other Information

US NFPA Codes

Health	Fire	Reactivity	Special
1	1	0	N/E

(N/E) - None established

HMIS Codes

Health	Fire	Reactivity
0	1	0

Precautionary Labels

- **This material has no known health hazards.**

Revision Indicators

Section: 6 SPILL PROCEDURES	Changed: 4 April 2007
Section: 7 HANDLING PROCEDURES	Changed: 4 April 2007
Section: 7 STORAGE PROCEDURES	Changed: 19 March 2007
Section: 12 BACTERIA TOXICITY	Changed: 19 March 2007
Section: 12 FRESHWATER FISH TOXICITY	Changed: 19 March 2007
Section: 12 FRESHWATER INVERTEBRATE TOXICITY	Changed: 19 March 2007
Section: 14 US BARGE	Changed: 28 November 2006
Section: 15 OTHER TSCA REGULATIONS	Changed: 4 April 2007

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Scot Lubricants of PA
Attachment 3
Questions: 3,6,10

Material Safety Data Sheet
LUBRIZOL® 6662A

Prepared according to 29CFR 1910.1200.

1 Chemical Product and Company Identification

THE LUBRIZOL CORPORATION
29400 Lakeland Boulevard
Wickliffe, OH 44092-2298
Phone: (440)943-1200

Product Trade Name	LUBRIZOL® 6662A
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Mixture.
Product Type	Viscosity modifier.
Preparation/Revision Date	21 December 2006
Transportation Emergency Phone No.	(CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887
MSDS No.	14438045-1321542-1113610-811103

2 Hazards Identification

Appearance Amber colored liquid.

Odor Mild

Principal Hazards **WARNING.**

- **HARMFUL IF INHALED.**
- **HARMFUL IF ABSORBED THROUGH SKIN.**
- **MAY CAUSE EYE IRRITATION.**
- **MAY CAUSE SKIN IRRITATION.**
- **MAY CAUSE CHRONIC HEALTH EFFECTS. BASED ON DATA WITH LABORATORY ANIMALS.**

Target Organs: Brain, Central nervous system, Kidney, Liver, Lung, Nervous system

This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

See Section 11 for complete health hazard information.

3 Composition/Information on Ingredients

Hazardous Ingredients

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Toluene	108-88-3	1.6%	N/E

(N/E) - None established

4 First Aid Measures

Eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice / attention.

Skin Wash with soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Inhalation Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.

Oral DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

Additional Information If exposed or concerned: Get medical attention.

5 Fire Fighting Measures

Flash Point 132 °C, 269.6 °F PMCC (Typical)

Extinguishing Media CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.

Firefighting Procedures Recommend wearing self-contained breathing apparatus. Water may cause splattering.

Unusual Fire & Explosion Hazards None known.

6 Accidental Release Measures

Spill Procedures Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7 Handling and Storage

Pumping Temperature Not determined.

Maximum Handling Temperature 60 °C, 140 °F

Handling Procedures Keep containers closed when not in use. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Maximum Storage Temperature 45 °C, 113 °F

Storage Procedures No special storage precautions required.

Loading Temperature 60 °C, 140 °F

8 Exposure Controls/Personal Protection

Exposure Limits

	Exposure Guidelines					
	OSHA		ACGIH		Other	
Comp	TWA	STEL	TWA	STEL	TWA	STEL
Toluene	200 ppm	300 ppm (c)	50 ppm (s)	N/E	N/E	N/E

(s) - Skin exposure
(p) - Proposed limit
(c) - Ceiling exposure
(l) - Recommended exposure limit
(u) - Supplier recommended exposure limit
(N/E) - None established

Other Exposure Limits	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.
Engineering Controls	Use material in well ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Gloves Procedures	Nitrile.
Eye Protection	Safety Glasses.
Respiratory Protection	Use NIOSH/MSHA approved full face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Clothing Recommendation	Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

9 Physical and Chemical Properties

Flash Point	132 °C, 269.6 °F PMCC (Typical)
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.
Autoignition Point	Not determined.
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	0.92 (15.6 °C)
Bulk Density	Not determined.
Water Solubility	Insoluble.
Percent Solid	Not determined.
Percent Volatile	Unknown.
Percent VOC	Not determined.
Vapor Density	Not determined.
Evaporation Rate	Not determined.
Odor	Mild
Appearance	Amber colored liquid.
Viscosity	4700 Centistokes (40 °C) 590 Centistokes (100 °C)
Odor Threshold	Unknown.
Boiling Point	Not determined.
Pour Point Temperature	Not determined.
Melting / Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10 Stability and Reactivity

Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid	Not determined.

11 Toxicological Information

-- ACUTE EXPOSURE --

Eye Irritation	Weak to moderate eye irritant. Does not meet Canadian D2B or EU R36 criteria. Based on data from components and similar materials.
Skin Irritation	May cause skin irritation, based on data from components or similar materials. Not expected to meet EU R38 criteria. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Respiratory Irritation	Nose, throat and lung irritant. Based on data from components or similar materials.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials. Components of this material are absorbed through the skin.
Inhalation Toxicity	Not expected to be a toxic inhalation hazard. Based on data available from components or similar materials. High concentrations may cause headaches, dizziness, nausea, stupor, and other central nervous system effects leading to visual impairment, difficulty breathing and convulsions.
Oral Toxicity	The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity	Repeated overexposure to toluene may cause loss of appetite, liver enlargement, and kidney and lung damage. Repeated inhalation of hydrocarbon solvents such as toluene can cause chronic neurological disturbances. Chronic exposure to toluene has been shown to cause hearing loss in animal experiments. The effect may be potentiated by acetyl salicylic acid and n-hexane to produce irreversible auditory damage. Prolonged and repeated exposure to toluene may cause color vision loss in humans.
Carcinogenicity	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	Prolonged and repeated exposure of pregnant animals to toluene by inhalation has been reported to cause adverse fetal developmental effects.

-- ADDITIONAL INFORMATION --

Other	No other health hazards known.

12 Ecological Information

-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity	The acute LC50 is > 1000 mg/L based on component data.

Freshwater Invertebrates Toxicity	Not determined.
Algal Inhibition	Not determined.
Saltwater Fish Toxicity	Not determined.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	The acute EC50 for bacteria is > 1000 ppm based on component data.
Miscellaneous Toxicity	Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation	At least 25% of the components in this product show limited biodegradation based on OECD 301-type test data. At least 25% of the components in this product show limited biodegradation based on OECD 302-type test data.
Bioaccumulation	There is no data available to evaluate this material for bioconcentration.
Soil Mobility	Not determined.

13 Disposal Consideration

Waste Disposal This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

14 Transport Information

ICAO/IATA (US)	Not regulated.
ICAO/IATA (International)	Not regulated.
IMDG	Not regulated.
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
IMO Marine Vessel	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
U.S. Barge	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
USCG Compatibility	Not determined.
U.S. DOT Bulk	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Toluene) Class 9, PG III, RQ
U.S. DOT Non-Bulk	Not regulated.
DOT NAERG	171
TDG Bulk	Not regulated.
TDG Non-Bulk	Not regulated.
Mexico	Not regulated.
Mexico Non-Bulk	Not regulated.
Bulk Quantity	85000 liters, 22457 gal.
Non-Bulk Quantity	207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

15 Regulatory Information

-- Global Chemical Inventories --

USA All components of this material are on the US TSCA Inventory or are exempt.

Other TSCA Reg.	Section 8d (Benzene, methyl-).
EU	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	1.6% Toluene, CAS no. 108-88-3

SARA 311 Classifications

Acute Hazard	Yes
Chronic Hazard	Yes
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances

Transit Reportable Quantities

Component	Reportable Quantity RQ	Units	Reportable Quantity RQ	Units
Toluene	8188	gal.	30990	liters

FDA Approval	Not applicable.

-- State Regulations --

Cal. Prop. 65	This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects: 3 ppm Benzene, CAS no. 71-43-2 1.6% Toluene, CAS no. 108-88-3

-- Product Registrations --

U.S. Fuel Registration	Not applicable.
U.S. Dept of Agriculture	This product was registered or qualified as an H2 product.
NSF Nonfood Compounds Registration	This product has not been filed with the NSF to support H1 or H2 approvals.
Finnish Registration Number	Not Registered
Swedish Registration Number	Not Registered
Norwegian Registration Number	Not Registered
Danish Registration Number	Not Registered
Swiss Registration Number	Not Registered
Italian Registration Number	Not Registered
Korean Registration Number	This product is registered in Korea with the Ministry of the Environment.

New Zealand Registration Number Not Registered

-- Other / International --

TDG Regulated Limit. None known.
U.S. Tariff Heading Number 3811.21.00.00
Schedule B Number 3811.21.0000

16	Other Information

US NFPA Codes

Health	Fire	Reactivity	Special
2	1	0	N/E

(N/E) - None established

HMIS Codes

Health	Fire	Reactivity
2 *	1	0

Precautionary Labels

WARNING.

- **HARMFUL IF INHALED.**
- **HARMFUL IF ABSORBED THROUGH SKIN.**
- **MAY CAUSE EYE IRRITATION.**
- **MAY CAUSE SKIN IRRITATION.**
- **MAY CAUSE CHRONIC HEALTH EFFECTS. BASED ON DATA WITH LABORATORY ANIMALS.**

Revision Indicators

Section: 2 PRINCIPAL HAZARDS	Changed: 28 November 2006
Section: 11 CHRONIC TOXICITY	Changed: 21 December 2006
Section: 13 WASTE DISPOSAL	Changed: 28 November 2006
Section: 14 US BARGE	Changed: 28 November 2006
Section: 16 PRINCIPAL HAZARDS	Changed: 28 November 2006

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